

Appendix table 1-25

Perceptions of working conditions of public middle and high school mathematics and science teachers, by minority enrollment and school poverty level: Academic years 2003–04 and 2007–08

(Percent)

Teaching field/school characteristic	Academic year 2003–04							Academic year 2007–08						
	Student misbehavior interferes	Supportive parents	Necessary materials available	Principal communicates vision	Staff members recognized	Worry about job security due to test scores	Tardiness and class cutting interfere	Student misbehavior interferes	Supportive parents	Necessary materials available	Principal communicates vision	Staff members recognized	Worry about job security due to test scores	Tardiness and class cutting interfere
Mathematics	45.3	55.9	79.4	86.0	73.0	34.4	40.7	44.6	59.0	84.8	87.8	76.1	32.6	42.5
Minority enrollment (%)														
0–5	30.8	68.7	89.2	86.0	72.5	28.4	27.9	34.0	70.3	88.9	87.3	72.1	26.8	33.7
>5–45	36.9	61.8	84.3	87.6	76.7	30.4	33.0	38.9	68.5	88.1	87.0	78.0	28.5	39.0
>45	60.0	44.5	70.2	84.3	69.0	41.0	54.1	52.5	47.5	80.8	88.6	75.3	37.8	47.9
School poverty level (%) ^a														
0–10	26.0	73.1	86.4	87.3	78.4	20.8	24.5	34.7	77.8	86.9	90.4	75.9	19.1	34.8
>10–50	43.9	56.5	82.0	85.3	73.5	32.2	42.1	41.4	61.2	87.2	86.2	76.1	31.0	40.8
>50	62.5	42.7	67.7	86.1	67.3	48.4	47.7	56.0	45.4	79.2	89.3	75.9	41.7	49.1
Science	48.6	55.2	77.9	83.9	70.8	30.9	43.5	44.4	58.8	82.4	85.7	73.0	32.9	44.7
Minority enrollment (%)														
0–5	33.3	65.3	81.7	84.9	70.0	24.8	29.1	38.9	65.0	87.2	84.6	72.8	29.8	35.4
>5–45	42.4	61.5	82.0	85.9	73.0	28.1	38.8	36.1	68.8	86.4	87.0	76.4	29.1	38.9
>45	62.4	43.5	71.4	81.1	68.4	36.9	55.1	55.5	45.6	76.4	84.6	69.1	38.1	53.9
School poverty level (%) ^a														
0–10	31.5	69.6	85.1	87.3	72.6	21.8	27.6	32.5	70.1	86.8	87.6	76.6	24.2	33.8
>10–50	47.4	56.9	77.0	85.1	73.4	30.1	42.3	41.9	61.3	83.1	85.1	73.1	32.0	45.1
>50	64.7	41.4	75.1	78.7	63.1	39.3	57.2	58.4	45.8	77.6	85.6	70.1	40.5	51.5
Other ^b	42.6	58.0	76.3	86.0	72.5	28.4	39.9	38.9	61.6	80.7	87.4	75.0	29.6	39.0
Minority enrollment (%)														
0–5	31.1	63.4	83.4	86.3	70.7	26.1	29.2	29.8	66.0	84.0	85.5	74.8	24.7	32.2
>5–45	38.0	62.7	79.3	86.7	75.1	25.0	36.2	32.8	68.6	84.2	88.2	77.2	24.9	33.6
>45	53.3	49.9	69.4	85.1	70.2	33.5	49.1	47.8	53.0	76.1	87.2	72.7	35.9	46.7
School poverty level (%) ^a														
0–10	28.5	71.0	82.9	85.4	74.8	17.8	29.1	25.9	73.5	84.8	88.2	78.1	20.2	28.6
>10–50	42.0	59.0	76.9	85.8	72.3	27.6	39.6	37.2	64.5	81.4	87.7	75.4	27.6	38.2
>50	55.1	46.6	70.1	86.9	70.5	37.1	47.5	50.1	49.0	76.5	86.3	72.2	39.3	46.6

^aSchool poverty level is percentage of students in school qualifying for free/reduced-price lunch.^bOther teachers include those who teach any subject other than mathematics or science.

NOTES: Teachers asked to indicate agreement with various statements. Response categories include "strongly agree," "somewhat agree," "somewhat disagree," and "strongly disagree." Responses based on teachers answering "somewhat agree" or "strongly agree."

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2011) of 2003–04 and 2007–08 Schools and Staffing Survey, National Center for Education Statistics.